

DEPARTMENT OF PERSONNEL SERVICES
COUNTY OF MAUI

PART I

Class Specification
for the class:

WASTEWATER TREATMENT PLANT MAINTENANCE MECHANIC I
(BC-12, BU-01)

Duties Summary:

Performs highly skilled and technical work in the installation, maintenance, repair, overhaul, inspection and testing of a variety of complex wastewater pumping and treatment plant equipment; and performs other related duties as required.

Distinguishing Characteristics:

This class differs from the Wastewater Treatment Plant Maintenance Mechanic II class in that the Wastewater Treatment Plant Maintenance Mechanic I class installs, repairs, overhauls, inspects and tests a variety of complex wastewater pumping and treatment plant equipment whereas the Wastewater Treatment Plant Maintenance Mechanic II class is distinguished by its responsibility to supervise and participate in the installation, maintenance, repair, overhaul, inspection and testing of a variety of complex wastewater pumping and treatment plant equipment.

Examples of Duties: (The following are examples of duties and are not necessarily descriptive of any one position in this class. The omission of specific duties statements does not preclude management from assigning such duties if such duties are a logical assignment for the position.)

- Installs, maintains, repairs, overhauls, inspects, tests adjusts and maintains a variety of complex wastewater pumping and treatment plant equipment.
- Overhauls, tests and repairs a variety of mobile and portable equipment.
- May install, overhaul, repair, inspect, test, adjust and maintain gasoline and diesel engines, as applicable.
- Inspects and tests the manual and automatic operation of pumps and auxiliary equipment.
- Reads meters and gauges and records readings.
- Performs operational services on meter and gauges.
- Starts and stops pumps, generators and compressors. Opens and closes valves, checks operational function of electrical, pneumatic and hydraulic controls systems.

- Records information on station log of operations and work completed.
- Checks motor and bearings for excessive heat; inspects and checks for unusual characteristics in the operation of pumps, generators, internal combustion engines and compressors; lubricates equipment.
- Reviews construction prints, machinery drawings, and manufacturer's manual to make necessary repair and work computations in performing repair work.
- Works in wet wells; removes obstructions from pumps, pipes and valves by hand; flushing or back flushing.
- Operates and maintains a motor vehicle.
- May supervise the work of helpers.

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This is an amendment to the specification for the class:
WASTEWATER TREATMENT PLANT MAINTENANCE MECHANIC,
approved April 16, 1984 and October 21, 1991, re-titled to
WASTEWATER TREATMENT PLANT MAINTENANCE MECHANIC I effective July 16, 2009.

APPROVED: October 27, 2009

Lynd D. King
Director of Personnel Services

DEPARTMENT OF PERSONNEL SERVICES
County of Maui

PART II

Minimum Qualification Specification
for the Class:

WASTEWATER TREATMENT PLANT MAINTENANCE MECHANIC I

Minimum Qualification Requirement

Training and Experience: (1) A combination of education and experience substantially equivalent to graduation from high school and four (4) years of experience in the operation, repair and overhaul of equipment in a pumping plant, marine engine room, power plant or machine shop at the independent worker level (with special emphasis on repair and overhaul work on marine, propane gas powered and/or diesel engines, as applicable); or two years of experience assisting a Wastewater Treatment Plant Maintenance Mechanic in the operation, repair and overhaul of equipment in a wastewater pumping station and treatment plant (including propane gas powered and/or diesel engines, as applicable) as a substantially full-time assignment; or (2) any equivalent combination of training and experience.

License Requirement: Possession of a motor vehicle operator's license valid in the State of Hawaii (equivalent to Hawaii Type 3).

Knowledge of: types and functions of machinery and equipment used in wastewater pumping stations and reclamation facilities; practices and procedures used in the operation of pumping and treatment plant equipment; principles and practices of elementary electricity and hydraulics; internal combustion engines (including gas and/or diesel engines, as applicable); tools, equipment, materials and practices used in the installation, overhaul and repair of a variety of complex wastewater pumping and treatment plant equipment; uses of tools, materials, and equipment and the terminology and skills used by various specialized trades in mechanical repair work and in a machine and welding shop; hazards and safety practices involved in working around high voltage and moving machinery.

Ability to: use a variety of machinist's and mechanic's hand tools, equipment, and shop machinery such as drill presses, metal shapers, welding and cutting equipment, engine lathes, etc. in installing, overhauling, repairing, and testing a variety of pumping and treatment plant equipment (including gas and diesel engines, as applicable); diagnose mechanical defects and improper operation of pumping and treatment plant equipment and make repairs quickly and effectively; work with dexterity and safety; make shop work computations; read meters and gauges; record readings; prepare and keep operational records; understand and follow oral and written instructions; read and understand construction prints, machinery drawings and manufacturer's manuals; prepare standard operational and time reports; work harmoniously with others; handle weights and loads.

Selective Certification:

Specialized knowledge, skills and abilities related to gas and/or diesel engines may be required to perform the duties of some of these positions. For such positions, certification may be restricted to eligibles who possess the pertinent experience and/or training required to perform the duties of these positions.

Requests for selective certification must show the connection between the kind of training and/or experience on which they wish to base selective certification and the duties of the position to be filled.

Health and Physical Condition:

Persons seeking appointment to positions in this class must meet the health and physical condition standards deemed necessary and proper to perform the essential functions fo the position with or without reasonable accommodations.

Physical Effort Grouping: Heavy

Special Working Conditions: Exposure to hazardous, filthy and obnoxious conditions; may also be subject to shift, weekend and holiday work as required.

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This is an amendment to the minimum qualification specification for the class:
WASTEWATER TREATMENT PLANT MAINTENANCE MECHANIC, approved April 16, 1984
and October 21, 1991, re-titled to WASTEWATER TREATMENT PLANT MAINTENANCE
MECHANIC I on July 16, 2009, effective November 5, 2013.

APPROVED: NOV 06 2013

James T. Anagnostis
Director of Personnel Services